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BOX PATENT APPLICATION

Customer No.: 23696
Attorney Docket No.: PA010548
Date: December 3, 2001
Express Mail Label No.: ET100742354US

12/03/01
10/005104
J1021 U.S. PTO

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Bjerke, et al.

For: ITERATIVE DETECTION AND DECODING FOR A MIMO-OFDM SYSTEM.

Enclosed are:

1. ☒ Patent application (50) total pages.
2. ☒ Drawings: ☒ Formal (9) sheet(s) or ☐ Informal () sheet(s).
3. ☒ Declaration/Power of Attorney: ☐ Signed ☒ Unsigned
4. ☐ This application claims priority from Application Serial No. , Filed , Status .
5. ☐ An Assignment () pages and Recordation Form Cover Sheet.
6. ☐ A Preliminary Amendment () pages.
7. ☐ Information Disclosure Statement (IDS):
 - a. ☐ PTO-1449
 - b. ☐ Copies of IDS Citations (number of citations:)
8. ☐ Other:

| CLAIMS: | (a) Filed | (b) Extra Claims | Large Entity Fee | Fee Paid |
|---|-----------|------------------|------------------|-----------|
| Total* | 67 - 20 | 47 | x \$18 = | \$846.00 |
| Independent** | 7 - 3 | 4 | x \$84 = | \$336.00 |
| Multiple Dependent Claim(s): <input type="checkbox"/> No <input type="checkbox"/> Yes | | | \$280 | \$ |
| APPLICATION FILING FEE | | | \$740 | \$740.00 |
| | | | TOTAL FEE | \$1922.00 |

*If the number in column a is less than 20, enter 0 in column b.

**If the number in column b is less than 3, enter 0 in column b.

8. ☐ A check in the amount of \$_____ is enclosed to pay the filing fee.
9. ☒ Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1922.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10. ☒ The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: December 3, 2001

Signature: Kent D. Baker

Kent D. Baker, Reg. No. 38,822
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QUALCOMM Incorporated
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5775 Morehouse Drive
San Diego, California 92121-1714
Telephone: (858) 651-1179
Facsimile: (858) 658-2502



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of)
Bjerke, et al.) For: Iterative Detection and Decoding
Serial No. Unknown) for a MIMO-OFDM System
Filed: Herewith) Group Art Unit: Unknown

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents
BOX PATENT APPLICATIONS
P.O. Box 2327
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Dear Sir:

"Express Mail" mailing label No. ET100742354US
Date of Deposit DECEMBER 3, 2001

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, P.O. BOX 2327, Arlington, VA 22202:

**PATENT APPLICATION IN 50 PAGES; TRANSMITTAL LETTER IN
DUPLICATE; 9 SHEETS OF FORMAL DRAWINGS; UNSIGNED
DECLARATION/POWER OF ATTORNEY; AND POSTCARD**

Kayla R. Seignious

Kayla R. Seignious
(Name)
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